

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S39	0	vcsl and (reflector or dbr or mirror) with alunimum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/19 17:05
S40	676	vcsl and (reflector or dbr or mirror) with aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/19 17:05
S41	150	vcsl and (reflector or dbr or mirror) with aluminum with oxid\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/19 20:13
S42	98	vcsl and (reflector or dbr or mirror) with aluminum adj2 content	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/19 20:20
S43	27	vcsl and (reflector or dbr or mirror) same ("50%" or "51%" or "52%" or "53%" or "54%") with (aluminum or Al)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/19 20:21

## EAST Search History

S44	65	(US-20020186735-\$ or US-20020158265-\$ or US-20040094760-\$ or US-20030165171-\$ or US-20040079954-\$ or US-20020084525-\$ or US-20040086016-\$ or US-20030179800-\$ or US-20040086013-\$ or US-20030108075-\$ or US-20040264531-\$ or US-20040101009-\$ or US-20040081215-\$ or US-20010019566-\$ or US-20040136076-\$ or US-20040264541-\$ or US-20040228379-\$ or US-20020097764-\$ or US-20030127608-\$ or US-20040264536-\$ or US-20020176474-\$ or US-20050233486-\$ or US-20050190812-\$ or US-20030219921-\$ or US-20020101899-\$ or US-20050208688-\$).did. or (US-20030169795-\$).did. or (US-6794688-\$ or US-6556607-\$ or US-6798806-\$ or US-6782021-\$ or US-6864501-\$ or US-6546031-\$ or US-6535537-\$ or US-6370179-\$ or US-6269109-\$ or US-6014395-\$ or US-5903589-\$ or US-6459713-\$ or US-6359920-\$ or US-6822995-\$ or US-6870207-\$ or US-5882948-\$ or US-6904072-\$ or US-5719892-\$ or US-6940885-\$ or US-5897329-\$ or US-6658041-\$ or US-6574257-\$ or US-6717964-\$ or US-5825796-\$ or US-6658040-\$ or US-6266357-\$).did. or (US-5729566-\$ or US-6548908-\$ or US-6674090-\$ or US-6515305-\$ or US-6680964-\$ or US-6765943-\$ or US-6545335-\$ or US-5719891-\$ or US-6990135-\$ or US-6949473-\$ or US-6493366-\$ or US-6026111-\$).did.	US-PGPUB; USPAT	OR	ON	2006/07/19 20:33
S45	48	S44 and InP	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/19 20:33

## EAST Search History

S46	19	S44 and (InP or indium adj2 phosphide) near5 (mirror or dbr or reflector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/21 14:24
S47	1	"20040264541".pn. and aluminum adj2 content	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/21 16:20
S48	1	"20040264541".pn. and partially adj2 oxidized	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/21 16:20

## EAST Search History

S49	66	(US-20040136076-\$ or US-20040086016-\$ or US-20030169795-\$ or US-20040228379-\$ or US-20040101009-\$ or US-20030108075-\$ or US-20040094760-\$ or US-20040086013-\$ or US-20020176474-\$ or US-20040081215-\$ or US-20040079954-\$ or US-20020158265-\$ or US-20030179800-\$ or US-20020097764-\$ or US-20020084525-\$ or US-20030165171-\$ or US-20020186735-\$ or US-20020101899-\$ or US-20010019566-\$ or US-20040264541-\$ or US-20040264536-\$ or US-20050233486-\$ or US-20040264531-\$ or US-20030127608-\$ or US-20050190812-\$ or US-20030219921-\$).did. or (US-20050208688-\$).did. or (US-6546031-\$ or US-6459713-\$ or US-6269109-\$ or US-6014395-\$ or US-5903589-\$ or US-6798806-\$ or US-6765943-\$ or US-6680964-\$ or US-6674090-\$ or US-6658041-\$ or US-6658040-\$ or US-6548908-\$ or US-6782021-\$ or US-6545335-\$ or US-6370179-\$ or US-6359920-\$ or US-6266357-\$ or US-6556607-\$ or US-6535537-\$ or US-6493366-\$ or US-5897329-\$ or US-5882948-\$ or US-5825796-\$ or US-5719892-\$ or US-6026111-\$ or US-5719891-\$).did. or (US-5729566-\$ or US-6515305-\$ or US-6717964-\$ or US-6940885-\$ or US-6904072-\$ or US-6822995-\$ or US-6870207-\$ or US-6574257-\$ or US-6794688-\$ or US-6864501-\$ or US-6990135-\$ or US-6949473-\$ or US-6931045-\$).did.	US-PGPUB; USPAT	OR	ON	2006/07/21 19:47
S50	35	S49 and inP with (mirror or reflector or dbr)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/21 20:11



## EAST Search History

S51	2	"6556607".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/21 21:19
S52	2	"6535537".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/21 21:44
S53	120096	"Al.sub."\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/21 21:45
S54	0	S51 same (dbr (bragg adj2 (mirror reflector)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/21 21:46
S55	954	S53 same (dbr (bragg adj2 (mirror reflector)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/21 21:46
S56	689	S55 and (oxid\$6 oxidization)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/21 21:47
S57	643	S55 and (oxid\$6 oxidization) and (laser vcsel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/21 21:48
S58	364	S55 and (oxid\$6 oxidization) and (laser vcsel) and (InP or Indium adj2 phosphide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/21 21:49
S59	197	S55 and (oxid\$6 oxidization) and (laser vcsel) and (InP or Indium adj2 phosphide) near4 substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/21 21:50
S60	58	S55 and (laser vcsel) and (InP or Indium adj2 phosphide) near4 substrate same (oxid\$6 oxidization)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/21 21:50

## EAST Search History

S61	7	("6542530").URPN.	USPAT	OR	ON	2006/07/22 18:06
S62	0	"20030165171"	USPAT	OR	ON	2006/07/22 20:39
S63	1	"6556607".pn.	USPAT	OR	ON	2006/07/22 18:57
S64	1	"5719892".pn.	USPAT	OR	ON	2006/07/22 18:57